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Student-Built TERRIERS Satellite Experiencing Difficulties

The Tomographic Experiment using Radiative Recombinative Ionospheric Extreme ultraviolet and Radio Sources (TERRIERS) satellite, built by students at Boston University has run out of battery power. The spacecraft had been losing power since its launch because it was not able to orient itself to allow solar panels to fully face the Sun.

A recovery team of spacecraft engineers and other experts will be formed to develop a plan to return the satellite to operation. The team will be headed by the Universities Space Research Association (USRA) of Columbia, MD., which administers the Student Explorer Demonstration Initiative (STEDI) for NASA. TERRIERS is one of three NASA-funded missions under the initiative. NASA will provide engineering support for the team.

The spacecraft was successfully launched at 1:09 a.m. EDT, May 18 from Vandenberg Air Force Base, CA, aboard an Orbital Science Corp. Pegasus rocket.

"It appears from looking at the data that the flight of the Pegasus was normal. However, we are reviewing that data in detail to be sure that the launch did not contribute to the spacecraft's current problem," said Ray Lugo, NASA launch manager, Kennedy Space Center, FL.

The project managers are reviewing data for information on the status of the spacecraft and will continue attempting to contact the spacecraft and monitor its progress.

"We remain hopeful that the solar panel will slowly charge the spacecraft and that, in time, the satellite will turn itself on," said Dan Cotton, Principal Investigator from Boston University. "Current data indicates that the spacecraft is in the correct orbit and spinning appropriately about the right axis."

Preliminary indications are that the science instruments are functioning properly. A Tess spectograph similar to the one being flown on TERRIERS was successfully flown and tested on two NASA Terrier-Black Brant sounding rockets launched from White Sands Missile Range, N.M. The first was launched May 8, 1997, and the second was launched on Feb. 20, 1999.



Dr. Supriya Chakrabarti of Boston University was the Principal Investigator for both launches.

The TERRIERS project is a collaboration between the Center for Space Physics at Boston University, Aero-Astro, the University of Illinois at Urbana-Champaign, the Naval Research Laboratory, MIT's Haystack Observatory, Phillips Laboratory and Cleveland Heights (Boston, MA.) High School.

Information about STEDI can be found on the Internet at: <http://cass.jsc.nasa.gov/stedi/overview.html>

Information about the TERRIERS project is available at the Boston University web site at: <http://www.bu.edu/satellite>

Wallops Shorts.....

Fire Department

Wallops Fire Department Emergency Medical Technicians (EMT) responded to a mutual aid request from Accomack County 911 to assist a gunshot victim in Wattsville on May 16. One patient was transported to Shore Memorial Hospital.

Wallops EMTs responded to an Accomack County 911 mutual aid request for medical assistance at the scene of an accident in Temperanceville on May 19. Two patients were transported to Peninsula Regional Medical Center.

Career Fair

Allison Wozniak, SESI, took part in a Career Awareness Day for 3rd, 4th and 5th grade students at Prince St. Elementary School on May 21.

Open House

Betty Flowers, Public Affairs Office, staffed a display at the Coast Guard Open House, Group Chincoteague on May 22.

Vince Salomonson Receives The Presidential Distinguished Rank Award

Dr. Vincent V. Salomonson, Earth Sciences Director, NASA Goddard Space Flight Center received the Presidential Distinguished Rank Award during the Presidential Rank Awards Ceremony held on April 29, 1999. Vice President Al Gore and OPM Director Janice Lachance congratulated the 1998 Distinguished Executives in a recognition event at the Old Executive Office Building. The Presidential Rank Award of Distinguished Executives is granted for sustained extraordinary accomplishments.

Salomonson is recognized as a pioneer with a world-class reputation regarding the use of remote sensing from space borne facility instruments for Earth science applications.

Salomonson has been with the Goddard since 1968. In addition to serving as the Director of the Earth Sciences Directorate, he also serves as the Science Team Leader for the Earth Observing System facility instrument called the Moderate Resolution Imaging Spectroradiometer.

Other positions he has held include: deputy director for Earth Sciences in the Space and Earth Sciences Directorate, chief of the Laboratory for Terrestrial Physics, project scientist for Landsat 4 and 5, head of the Hydrospheric Sciences Branch and a research meteorologist. Prior to coming to NASA, he spent three years as a weather officer in the United States Air Force. He has published over 125 articles in scientific journals, conference proceedings and NASA reports.

Salomonson has served in various capacities in support of the Earth sciences and as part of technical society activities. He served as an associate editor of the Photogrammetric Engineering and Remote Sensing Journal, an Associate Editor of the Remote Sensing of Environment journal and associate editor for the International Remote Sensing of Environment journal. He also has served in a number of positions with the ASPRS. He has served as a member of the Executive Administrative Committee for the IEEE Geoscience and Remote Sensing Society, and was the general chairman of the International Geoscience and Remote Sensing Symposium. He also is a member of the American Meteorological Society and the American Geophysical Union.

NASA Visitor Center June Special Events



June 5 & 19: "Model Rocket Launch"

A model rocket launch will be held at 1 p.m. Models of various rockets will be launched. Model rocketeers are invited to bring their own rockets and launch them. The launch will be canceled if it is raining or winds exceed 18 mph.

Saturdays and Sundays: "Puppets in Space"

"Puppets in Space", a 10-minute puppet show, will be presented at 11 a.m. on Saturdays and Sundays. Puppet astronauts and Sam the monkey will explore space flight, including the spacesuit. An eight-minute version of the film "Astrosmites" follows the puppet show.

Daily: "Space Ace"

Children ages 5-10 years can earn a "Space Ace" certificate and a lithograph during their Visitor Center experience by completing an activity sheet.

Sundays: "Humans in Space"

"Humans in Space" is the subject of a 1 p.m. program for children of all ages. The 30-minute program looks at living and working in space, including a review of the astronauts' culinary delights and their wardrobe. The program is followed by a hands-on children's activity during which children have the opportunity to create their own "space helmet."

The Visitor Center is open Thursday through Monday from 10 a.m. to 4 p.m. and is closed on Tuesday and Wednesday. The Visitor Center will be open Memorial Day, May 31. Admission to Visitor Center programs is free. For further information call x2298.

Correction: The May 10 issue of *Inside Wallops* featured a picture of the new "pumpkin" shaped Ultra-Long Duration Balloon. Credit for that "Artist's Concept" should go to John Davis, CSC.

Scientific Colloquia Tapes Available

VHS tapes of the following scientific colloquia in the 1999 Spring Series are available for check out from the Wallops Library:

April 2 Distant Supernovae and the Accelerating Universe

Saul Perlmutter, Lawrence Berkeley Laboratory

April 23 Use of Satellite Observations in Support of Weather and Short-Term Climate Predictions

Robert Atlas and Antonio Busalacchi

April 30 Results from TRMM

Christian Kummerow, GSFC

May 7 40 Years of Science at GSFC

Frank McDonald, University of Maryland

Employee Reminder.....

This is a reminder to all personnel (civil service, contractors, tenants, tenant contractors):

Please ensure that you display your NASA, GSFC, or WFF badge at or above the waistline in plain view at all times while on the Facility. This policy is designed to be enforced principally by employees; however, the security guards will actively enforce the policy during routine patrols.

If your badge is in bad condition (i.e., faded, falling apart, broken), call x2222 or x2536 to obtain information on how to get it replaced. You also can present your badge to the Security Receptionist in Building N127 during normal duty hours and in most instances the badge can be replaced immediately.

If you have any questions, please call the WFF Security Office, x2536.

Sympathy is extended to the family and friends of
Wray D. Young
who died May 20.

Young retired on Jan. 2, 1999 as a construction representative in the Facilities Management Branch.

Upcoming Computer Training At Wallops

Introduction To Web Publishing With Html

Date: July 7 - 8, 1999

Time: 8:30 a.m. to 4 p.m.

Location: Bldg. E104, Room 308

Contact: Sherry Kleckner, x1204 or Kathy Dinsmore, x66-1653 by COB June 22, 1999

Course Description:

<http://ohr.gsfc.nasa.gov/gsfrc/training/Annualcal/COMPUTER.HTM#networks3>

Introduction to Internet with Netscape

Date: July 12, 1999

Time: 8:30 a.m. to 4 p.m.

Location: Bldg. E104, Room 308

Contact: Sherry Kleckner, x1204 or Kathy Dinsmore, x66-1653 by COB June 25, 1999

Course Description:

<http://ohr.gsfc.nasa.gov/gsfrc/training/Annualcal/COMPUTER.HTM#networks1>

WFF Hazwaste Inspection A Success

The Virginia Department of Environmental Quality (VDEQ) and Environmental Protection Agency (EPA) Region 3 inspection teams were at Wallops May 13 and 14 to conduct the annual Resource Conservation and Recovery Act Hazardous Waste Inspection.

The two-day inspection focused on hazardous waste Satellite Accumulation Areas (SAAs) and storage areas on Wallops Island, the mainland, and main base.

The VDEQ Environmental Inspector reported that WFF was clean and there were no violations, nor recommendations for improvement. The EPA Enforcement Officer added that he had never seen a more professionally run hazardous waste program and a more cooperative staff.

The Wallops Environmental Office would like to thank the SAA points of contact, the Facilities Management Branch and Logistics Team for their support.

Memorial Day is May 31



The next edition of *Inside Wallops* will be June 7.

Conference for Women '99

June 28-30
Norfolk, VA.

The conference focuses on career and personal development.



For further information contact Pat Pruitt, x1145.

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